Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) A photoelectric sensor comprising: a light projecting section projecting detection medium light to a detection object region; and a light receiving section receiving reflecting light or transmitted light from the detection object region, the sections being in a single piece or in separate pieces, wherein

the light projecting section includes: a light source generating the detection medium light; and a light projecting lens for collimating or collecting the detection medium light from the light source to form a beam spot or a light collecting point in the detection object region; and deflection angle adjusting means capable of finely adjusting an optical axis deflection angle of the detection medium light projected to the detection object region from the light projecting section.

- 2. (Original) The photoelectric sensor according to claim 1, wherein the deflection angle adjusting means is a transmissive medium, having a flat incidence plane for the detection medium light and a flat emission plane therefor, and changing an incidence angle of the detection medium light based on a change in position thereof relative to the detection medium light.
- 3. (Original) The photoelectric sensor according to claim 1, wherein the deflection angle adjustment means is a plane-parallel glass plate, interposed in an optical path between the light source and the light projecting lens, and supported rotatably about an axis orthogonal to the optical path.
- 4. (Original) The photoelectric sensor according to claim 3, wherein the light source and the light projecting lens are fixed to an optical base in a single piece, the plane-parallel glass plate is rotatably supported by the optical base with a glass holder interposed therebetween, and a volume control operator for a rotation operation of the plane-parallel glass plate is provided to the glass holder.

5. (Currently Amended) The photoelectric sensor according to <u>claim 1</u> any of claims 1 to 4, further comprising

light beam adjusting means for performing distance adjustment of a light collecting point of light emitted from the light projecting lens.

6. (Original) A photoelectric sensor according to claim 1, further comprising: a sensor head case having a light projecting window in the front surface; and an option unit, capable of being mounted in a freely mountable/demountable manner at the front surface of the sensor head case, and holding a light beam changing lens at a position aligned with the light projecting window with a lens holder interposed therebetween, wherein

the sensor head case contains: a light source generating detection object light; a light projecting lens collecting the detection medium light from the light source to emit the detection medium light from the light projecting window; and light beam adjusting means for performing distance adjustment of a light collecting point of light emitted from the light projecting window.

- 7. (Original) The photoelectric sensor according to claim 6, wherein the light beam changing lens is a light beam changing lens capable of a uniform diffusion along the entire periphery.
 - 8. (Original) The photoelectric sensor according to claim 6, wherein the light beam changing lens is a plane diffusion type light beam changing lens.
- 9. (Currently Amended) The photoelectric sensor according to <u>claim 6</u> any of claims 6 to 8, wherein

the lens holder holding the light beam changing lens is rotatable about an optical axis.